



wherein ring A, fused to the ring containing X and N, represents a 5-6 membered cyclic ring optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro, cyano, formyl, or C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl, C₁₋₁₂alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, acyl, acyloxy, hydroxyC₁₋₁₂alkyl, amino, acylamino, C₁₋₁₂alkyl-amino, arylamino, aralkylamino, aminoC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonyl, aryloxycarbonyl, aralkoxycarbonyl, C₁₋₁₂alkoxyC₁₋₁₂alkyl, aryloxyC₁₋₁₂alkyl, aralkoxyC₁₋₁₂alkyl, C₁₋₁₂alkylthio, thioC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonylamino, aryloxycarbonylamino, aralkoxycarbonylamino, -COR¹¹, or -SO₂R¹², wherein R¹¹ and R¹² independently of each other are selected from hydroxy, halogen, perhalomethyl, C₁₋₆alkoxy or amino optionally substituted with one or more C₁₋₆alkyl, perhalomethyl or aryl; optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano;

ring B, fused to the ring containing X and N, represents a 5-6 membered cyclic ring optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro, cyano, formyl, or C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl, C₁₋₁₂alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, acyl, acyloxy, hydroxyC₁₋₁₂alkyl, amino, acylamino, C₁₋₁₂alkyl-amino, arylamino, aralkylamino, aminoC₁₋₁₂alkyl,

C₁₋₁₂alkoxycarbonyl, aryloxy carbonyl, aralkoxycarbonyl, C₁₋₁₂alkoxyC₁₋₁₂alkyl, aryloxyC₁₋₁₂alkyl, aralkoxyC₁₋₁₂alkyl, C₁₋₁₂alkylthio, thioC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonylamino, aryloxy carbonylamino, aralkoxycarbonylamino, -COR¹¹, or -SO₂R¹², wherein R¹¹ and R¹² independently of each other are selected from hydroxy, halogen, perhalomethyl, C₁₋₆alkoxy or amino optionally substituted with one or more C₁₋₆alkyl, perhalomethyl or aryl; optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano;

X is -(CHR⁹)-CH₂-, -CH=CH-, -(CHR⁹)-CH=CH-, -(CHR⁹)-CH₂-CH₂-, -CH=(CR⁹)-, -(CO)-(CHR⁹)-, wherein R⁹ is hydrogen, halogen, hydroxy, nitro, cyano, formyl, C₁₋₁₂alkyl, C₁₋₁₂alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, acyl, acyloxy, hydroxyalkyl, amino, acylamino, C₁₋₁₂alkyl-amino, arylamino, aralkylamino, aminoC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonyl, aryloxy carbonyl, aralkoxycarbonyl, C₁₋₁₂alkoxyC₁₋₁₂alkyl, aryloxyC₁₋₁₂alkyl, aralkoxyC₁₋₁₂alkyl, C₁₋₁₂alkylthio, thioC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonylamino, aryloxy carbonylamino, aralkoxycarbonylamino, -COR¹¹, or -SO₂R¹², wherein R¹¹ and R¹² independently of each other are selected from hydroxy, halogen, C₁₋₆alkoxy, amino optionally substituted with one or more C₁₋₆alkyl, perhalomethyl or aryl;

Q is -O-, -S-, >SO₂, >NR¹³, wherein R¹³ is hydrogen or C₁₋₆alkyl,

Ar represents arylene, heteroarylene, or a divalent heterocyclic group optionally substituted with one or more C₁₋₆alkyl or aryl;

R⁵ represents hydrogen, hydroxy, halogen, C₁₋₁₂alkoxy, C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl or aralkyl; optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano; or R⁵ forms a bond together with R⁶,

R⁶ represents hydrogen, hydroxy, halogen, C₁₋₁₂alkoxy, C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl, acyl or aralkyl; optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano; or R⁶ forms a bond together with R⁵,

R⁷ represents hydrogen, C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl, aryl, aralkyl, C₁₋₁₂alkoxyC₁₋₁₂alkyl, C₁₋₁₂alkoxycarbonyl, aryloxy carbonyl, C₁₋₁₂alkylaminocarbonyl, arylaminocarbonyl, acyl, heterocyclyl, heteroaryl or heteroaralkyl groups[;], optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano;

R⁸ represents hydrogen, C₁₋₁₂alkyl, C₄₋₁₂-alkenynyl, C₂₋₁₂-alkenyl, C₂₋₁₂-alkynyl, aryl, aralkyl, heterocyclyl, heteroaryl or heteroaralkyl groups; optionally substituted with one or more halogen, perhalomethyl, hydroxy, nitro or cyano;

Y represents oxygen, sulphur or NR¹⁰, where R¹⁰ represents hydrogen, C₁₋₁₂alkyl, aryl, hydroxyC₁₋₁₂alkyl or aralkyl groups or when Y is NR¹⁰, R⁸ and R¹⁰ may form a 5 or 6 membered nitrogen containing ring, optionally substituted with one or more C₁₋₆alkyl;

n is an integer ranging from 1 to 4 and m is an integer ranging from 0 to 1;
or a pharmaceutically acceptable salt thereof.

2. (Amended) The compound according to claim 1, wherein ring A, fused to the ring containing X and N, represents a 5-6 membered cyclic ring optionally substituted with one or more hydrogen, halogen, perhalomethyl, hydroxy, cyano, or C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl, C₁₋₇alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, acyl, acyloxy, hydroxyC₁₋₇alkyl, amino, acylamino, C₁₋₇alkyl-amino, arylamino, aralkylamino, aminoC₁₋₇alkyl, C₁₋₇alkoxyC₁₋₇alkyl, aryloxyC₁₋₇alkyl, aralkoxyC₁₋₇alkyl, C₁₋₇alkylthio, thioC₁₋₇alkyl, C₁₋₇alkoxycarbonylamino, aryloxy carbonylamino, aralkoxycarbonylamino, -COR¹¹, or -SO₂R¹², wherein R¹¹ and R¹² independently of each other are selected from hydroxy, perhalomethyl or amino optionally substituted with one or more C₁₋₆alkyl, perhalomethyl or aryl; optionally substituted with one or more halogen, perhalomethyl, hydroxy or cyano.

7. (Amended) The compound according to claim 1, wherein ring B, fused to the ring containing X and N, represents a 5-6 membered cyclic ring optionally

Q3
substituted with one or more hydrogen, halogen, perhalomethyl, hydroxy, cyano, or C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl, C₁₋₇alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclyl, heteroaryl, heteroaralkyl, heteroaryloxy, heteroaralkoxy, acyl, acyloxy, hydroxyC₁₋₇alkyl, amino, acylamino, C₁₋₇alkyl-amino, arylamino, aralkylamino, aminoC₁₋₇alkyl, C₁₋₇alkoxyC₁₋₇alkyl, aryloxyC₁₋₇alkyl, aralkoxyC₁₋₇alkyl, C₁₋₇alkylthio, thioC₁₋₇alkyl, C₁₋₇alkoxycarbonyl-amino, aryloxycarbonylamino, aralkoxycarbonylamino, -COR¹¹, or -SO₂R¹², wherein R¹¹ and R¹² independently of each other are selected from hydroxy, perhalomethyl or amino optionally substituted with one or more C₁₋₆alkyl, perhalomethyl or aryl; optionally substituted with one or more halogen, perhalomethyl, hydroxy or cyano.

Q4
16. (Amended) The compound according to claim 1 wherein Q is -O- or -S-.

Q5
18. (Amended) The compound according to claim 1 wherein Ar represents arylene, heteroarylene, or a divalent heterocyclic group optionally substituted with one or more C₁₋₆alkyl or aryl;
R⁵ represents hydrogen, hydroxy, halogen, C₁₋₇alkoxy, C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl; or R⁵ forms a bond together with R⁶,
R⁶ represents hydrogen, hydroxy, halogen, C₁₋₇alkoxy, C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl; or R⁶ forms a bond together with R⁵,
R⁷ represents hydrogen, C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl, aryl, aralkyl, C₁₋₇alkoxyC₁₋₇alkyl, C₁₋₇alkoxycarbonyl, aryloxycarbonyl, C₁₋₇alkylaminocarbonyl, arylaminocarbonyl, acyl, heterocyclyl, heteroaryl or heteroaralkyl groups;
R⁸ represents hydrogen, C₁₋₇alkyl, C₄₋₇-alkenynyl, C₂₋₇-alkenyl, C₂₋₇-alkynyl, aryl, aralkyl, heterocyclyl, heteroaryl or heteroaralkyl;
Y represents oxygen, sulphur or NR¹⁰, where R¹⁰ represents hydrogen, C₁₋₇alkyl, hydroxyC₁₋₇alkyl;
n is an integer ranging from 2 to 3 and m is an integer ranging from 0 to 1.

Q6
23. (Amended) The compound according to claim 1 wherein A is 5 membered cyclic ring containing S.

24. (Amended) The compound according to claim 1 wherein B is 5 membered cyclic ring containing S.

26. (Amended) The compound according to claim 1 wherein n is 2.

27. (Amended) The compound according to claim 1 wherein Q is -O-.

28. (Amended) The compound according to claim 1 wherein m is 1.

29. (Amended) The compound according to claim 1 wherein Ar is phenylene.

30. (Amended) The compound according to claim 1 wherein R⁶ is H.

31. (Amended) The compound according to claim 1 wherein R⁷ is ethyl.

32. (Amended) The compound according to claim 1 wherein Y is oxygen.

33. (Amended) The compound according to claim 1 wherein R⁸ is H.

34. (Amended) The compound according to claim 1 which is:

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethoxy]-phenyl}-2-ethoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethoxy]-phenyl}-2-methoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethoxy]-phenyl}-2-propoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethoxy]-phenyl}-2-benzyloxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethyl]-phenyl}-2-ethoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethyl]-phenyl}-2-methoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethyl]-phenyl}-2-propoxy-propionic acid,

3-{4-[2-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-ethyl]-phenyl}-2-benzyloxy-propionic acid,

3-{4-[1-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-methoxy]-phenyl}-2-ethoxy-propionic acid,

3-{4-[1-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-methoxy]-phenyl}-2-methoxy-propionic acid,

3-{4-[1-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-methoxy]-phenyl}-2-benzyloxy-propionic acid,

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propoxy]-phenyl}-2-ethoxy-propionic acid,

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propoxy]-phenyl}-2-methoxy-propionic acid,

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propoxy]-phenyl}-2-benzyloxy-propionic acid,

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propyl]-phenyl}-2-ethoxy-propionic acid,

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propyl]-phenyl}-2-methoxy-propionic acid, or

3-{4-[3-(8,9-Dihydro-3,5-dithia-4-aza-cyclopenta[f]azulen-4-yl)-propyl]-phenyl}-2-benzyloxy-propionic acid;

or a pharmaceutically acceptable salt thereof.

36. (Amended) A pharmaceutical composition comprising as an active ingredient, the compound according to claim 1 or a pharmaceutically acceptable salt thereof together with a pharmaceutically acceptable carrier or diluent.

43. (Amended) A method for the treatment of conditions mediated by nuclear receptors, in particular the Peroxisome Proliferator-Activated Receptors (PPAR), the method

Sub
C2

comprising administering to a subject in need thereof an effective amount of the compound according to claim 1 or a pharmaceutically acceptable salt thereof.

ca

44. (Amended) A method for the treatment of diabetes, the method comprising administering to a subject in need thereof an effective amount of the compound according to claim 1 or a pharmaceutically acceptable salt thereof.

Please add the following new claims :

50. (New) The pharmaceutical composition of claim 36, wherein the compound is in a unit dosage form in the amount of between 0.05 to about 100 mg.

Sub
C3

51. (New) The pharmaceutical composition of claim 37, wherein the compound is in a unit dosage form in the amount of between 0.1 to about 50 mg.

52. (New) The method of claim 44, wherein the compound is administered by oral, nasal, transdermal, pulmonary, or parenteral administration.

53. (New) A method for the treatment of obesity, the method comprising administering to a subject in need thereof an effective amount of the compound according to claim 1 or a pharmaceutically acceptable salt thereof.

54. (New) The method of claim 53, wherein the compound is administered by oral, nasal, transdermal, pulmonary, or parenteral administration.